



STIC Search Report

EIC 2800

STIC Database Tracking Number: EIC 2800

TO: Roy Potter
Location: JEF-5A49
Art Unit : 2811
Thursday, June 30, 2005

Case Serial Number: 10/230783

From: Darcy Bates
Location: EIC 2800
JEF- 4B68
Phone: 571-272-2540

darcy.bates@uspto.gov

Search Notes

Re: 10/230,783 US 5,686,762

Attached are search results.

No U. S. litigation was found in searches of Lexis-Nexis and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,

Darcy Bates

6/30/05

US 5,686,762

10/230783

WELCOME to QUESTEL.ORBIT- Your Guide to INTELLECTUAL PROPERTY

Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us5686762/pn

**** SS 3: Results 1**

Search statement 4

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US5686762 A 19971111 [US5686762]
TI - (A) Semiconductor device with improved bond pads
PA - (A) MICRON TECHNOLOGY INC (US)
PA0 - Micron Technology, Inc., Boise ID [US]
IN - (A) LANGLEY RODNEY C (US)
AP - US57791195 19951221 [1995US-0577911]
PR - US57791195 19951221 [1995US-0577911]
IC - (A) H01L-023/48
EC - H01L-023/485A
PCL - ORIGINAL (O) : 257775000; CROSS-REFERENCE (X) : 257E23020
257784000 257786000
DT - Basic
CT - US5053850; US5248903; US5373111; JP63-161634; JP6-37135
STG - (A) United States patent
AB - A semiconductor device with improved bond pads. The semiconductor device includes bond pads electrically connected to an active circuit in the device and openings formed in the bonding surface of the bond pads. The opening(s) may include recesses extending partially into the bonding surface or channels that extend entirely through the bond pads. Various shapes and configurations of the openings may be used, such as a pattern of channels radiating from the center of the bonding surface, a series of spaced apart rectangular channels arranged parallel to one another, an array of L shaped channels arranged around the center of the bonding surface, or an array of holes.

1 / 1 LGST - ©EPO
PN - US5686762 A 19971111 [US5686762]
AP - US57791195 19951221 [1995US-0577911]
ACT - 19951221 US/AS02-A
ASSIGNMENT OF ASSIGNEE'S INTEREST
OWNER: MICRON TECHNOLOGY, INC. PATENT DEPARTMENT 8000 S.;
EFFECTIVE DATE: 19951219

19951221 US/AS02-A
ASSIGNMENT OF ASSIGNEE'S INTEREST
OWNER: LANGLEY, RODNEY C.; EFFECTIVE DATE: 19951219

20000307 US/RF-A
REISSUE APPLICATION FILED

6/30/05

US 5,686,762

10/230783

EFFECTIVE DATE: 19991111

20021029 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20020829
UP - 2003-22

I / 1 CRXX - ©CLAIMS/RRX
AN - 2905817
PN - 5,686,762 A 19971111 [US5686762]
PA - Micron Technology Inc
PT - E (Electrical)
ACT - 19991111 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20000307
REISSUE REQUEST NUMBER: 09/438692
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2811

Reissue Patent Number:

20020829 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20021029
REISSUE REQUEST NUMBER: 10/230783
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2811

Reissue Patent Number:

UP - 2000-10
UACT- 2002-10-29

Search statement 4

Query/Command : fam us5686762/pn

1 Patent Groups
** SS 4: Results 1

Search statement 5

Query/Command : famstate nonstop

I / 1 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US5686762 A 19971111 [US5686762]
STG - (A) United States patent
TI - (A) Semiconductor device with improved bond pads
PA - (A) MICRON TECHNOLOGY INC (US)

STIC EIC 2800

Darcy Bates

272-2540

6/30/05

US 5,686,762

10/230783

PA0 - Micron Technology, Inc., Boise ID [US]
IN - (A) Langley Rodney C (US)
IC - (A) H01L-023/48
AP - US57791195 19951221 [1995US-0577911]
PR - US57791195 19951221 [1995US-0577911]
EC - H01L-023/485A
PCL - ORIGINAL (O) : 257775000; CROSS-REFERENCE (X) : 257E23020
257784000 257786000
DT - Basic

1 / 1 *LEGALI - @EPO*
PN - US5686762 A 19971111 [US5686762]
AP - US57791195 19951221 [1995US-0577911]
ACTE - 19951221 US/AS02-A
ASSIGNMENT OF ASSIGNEE'S INTEREST
OWNER: MICRON TECHNOLOGY, INC. PATENT DEPARTMENT 8000 S.;
EFFECTIVE DATE: 19951219

19951221 US/AS02-A
ASSIGNMENT OF ASSIGNEE'S INTEREST
OWNER: Langley, Rodney C.; EFFECTIVE DATE: 19951219

20000307 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19991111

20021029 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20020829
UP - 2003-22

***LexisNexis® Total Research System**

Switch Client | Preferences | Feedback | Sign Off | ? Help

My Lexis™ | Search | Research Tasks | Search Advisor | Get a Document | Shepard's®

ECLIPSE | History |

Sources | Guided Search Forms | Command Searching |

[Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Multi-Source Groups](#) > [Patent Cases from Federal Courts and Administrative Materials](#)

Enter Search Terms

5686762 or 5,686,762

Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.

Select a Segment

Add 1

Note: Segment availability differs between sources. Segments may not be applied consistently across sources.

Restrict by Date:

No Date Restrictions From To [Date Formats...](#)

Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

Syntax	Definition
and	and
or	or
w/N	within N words
not w/N	not within N words
pre /N	precedes by N words
w/p	in same paragraph
not w/p	not in same paragraph
w/seg	in same segment
not w/seg	not in same segment
w/s	in same sentence
not w/s	not in same sentence
and not	and not

[View Search Commands](#)

[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#)
[Eclipse™](#) | [History](#) | [Delivery Manager](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

No Documents Found!

No documents were found for your search terms
"5686762 or 5,686,762"

Click "Edit Search" to return to the search form and modify your search.

Suggestions:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms, such as those listed in "Suggested Words and Concepts"
- Use a less restrictive date range.

[Edit Search](#)

[About LexisNexis](#) | [Terms and Conditions](#)

[Copyright](#) © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

LexisNexis® Total Research System

Switch Client | Preferences | Feedback | Sign Off | ? Help

My Lexis™ | Search | Research Tasks | Search Advisor | Get a Document | Shepard's®

ECLIPSE | History |

Sources | Guided Search Forms | Command Searching |

[Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Legal News](#) > [Patent, Trademark & Copyright Periodicals, Combined](#)

* Enter Search Terms

Terms and Connectors Natural Language

5686762 or 5,686,762

[Suggest Terms
for My Search](#)

[Search](#)

Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.

Select a Segment Add ↑

Note: Segment availability differs between sources. Segments may not be applied consistently across sources.

Restrict by Date:

No Date Restrictions From To [Date Formats...](#)

Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

Syntax Definition

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

[View Search Commands](#)

[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#)
[Eclipse™](#) | [History](#) | [Delivery Manager](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

No Documents Found!

No documents were found for your search terms
"5686762 or 5,686,762"

Click "Edit Search" to return to the search form and modify your search.

Suggestions:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms, such as those listed in "Suggested Words and Concepts"
- Use a less restrictive date range.

[Edit Search](#)

[About LexisNexis](#) | [Terms and Conditions](#)

[Copyright](#) © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

LexisNexis® Total Research System

Switch Client | Preferences | Feedback | Sign Off | ? Help

My Lexis™ | **Search** | **Research Tasks** | **Search Advisor** | **Get a Document** | **Shepard's®**

ECLIPSE | History |

Sources | Guided Search Forms | Command Searching |

News & Business > News > News, All (English, Full Text)

Enter Search Terms

(Terms and Connectors) (Natural Language)

5686762 or 5,686,762

[Suggest Terms for My Search](#)

Restrict by Segment:
Select a segment, enter search terms for the segment, then click Add.

Select a Segment Add [1]

Note: Segment availability differs between sources. Segments may not be applied consistently across sources.

Restrict by Date:
 No Date Restrictions From To [Date Formats...](#)

Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

Syntax Definition

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

[View Search Command](#)

[My Lexis™](#) | [Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#)
[Eclipse™](#) | [History](#) | [Delivery Manager](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

No Documents Found!

No documents were found for your search terms
"5686762 or 5,686,762"

Click "Edit Search" to return to the search form and modify your search.

Suggestions:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms, such as those listed in "Suggested Words and Concepts"
- Use a less restrictive date range.

[Edit Search](#)

[About LexisNexis](#) | [Terms and Conditions](#)

[Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.](#)